

PERMANENT SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE:

- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 500 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA-PHOSPHORUS FERTILIZER (9 LBS/1000 SQ. FT.).
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 40 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 40 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.07 LBS/1000 SQ. FT.) OF SEEDING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (1) 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOO. OPTION (3) SEED WITH 40 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELLS ANCHORED STRAW.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

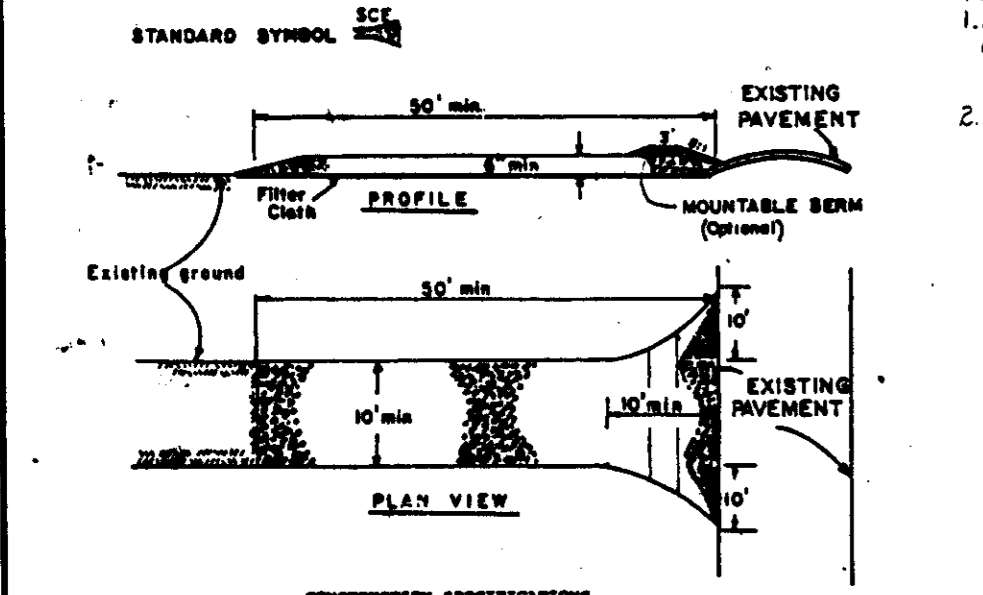
MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREA LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: APPLY 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) SEEDING FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15. SEED WITH 40 LBS PER ACRE ANNUAL RYE (1.4 LBS/1000 SQ. FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14. SEED WITH 3 LBS PER ACRE OF SEEDING LOVEGRASS (.07 LBS/1000 SQ. FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OR USE SOO.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT. OR HIGHER, USE 348 GAL. PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1983 HANDBOOK STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



- CONSTRUCTION SPECIFICATIONS:**
1. Slab size - Use 2" stone, or crushed concrete equivalent.
 2. Length - As required, but not less than 10 feet (except on a single curb down lot where a 30 foot minimum length would apply).
 3. Thickness - See local code (16" for concrete).
 4. Width - See local code (24" for concrete).
 5. Slope - Slope shall be placed over the entire area prior to placing of stone. Filter will not be required on a single curb entrance lot.
 6. Surface finish - All surface water flowing or directed toward construction entrance shall be piped across the entrance. If piping is impractical, a removable curb with 1/2" slope will be provided.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or sliding of sediment onto public right-of-way. This may require periodic mowing with additional stone as conditions demand and periodic cleaning of any sediment used in the entrance. All sediment applied, approved, stored or tracked onto public right-of-way must be removed immediately.
 8. Number of curbs shall be placed to remove sediment prior to entrance onto public right-of-way. When mowing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

LOT NO.	ADDRESS
26	11705 LIGHTFALL COURT
27	11722 MORNINGMIST LANE
28	11726 MORNINGMIST LANE
29	11730 MORNINGMIST LANE

ADDRESS CHART

DIVISION OF LAND ADMINISTRATION
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-1-87

Dewberry & Davis
 ARCHITECTS ENGINEERS PLANNERS SURVEYORS

3300 Ridge Road
 Suite 100
 Ellicott City, Maryland
 21043
 (301) 461-7478 BALTIMORE
 (301) 621-4970 WASHINGTON

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Stephen L. Huber 5/15/87
 ENGINEER

DEVELOPER'S CERTIFICATE
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DETERMINED NECESSARY.

Stephen L. Huber 5/13/87
 DEVELOPER

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Stephen L. Huber 5/22/87
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Stephen L. Huber 5/22/87
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: OFFICE OF PLANNING AND ZONING

Thomas G. Adams 6-3-87
 PLANNING DIRECTOR DATE

John W. Mearns 6-28-87
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS.

John W. Mearns 5-27-87
 HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

John W. Mearns 5-16-87
 DIRECTOR, PUBLIC WORKS DATE

John W. Mearns 5-28-87
 CHIEF, BUREAU OF ENGINEERING DATE

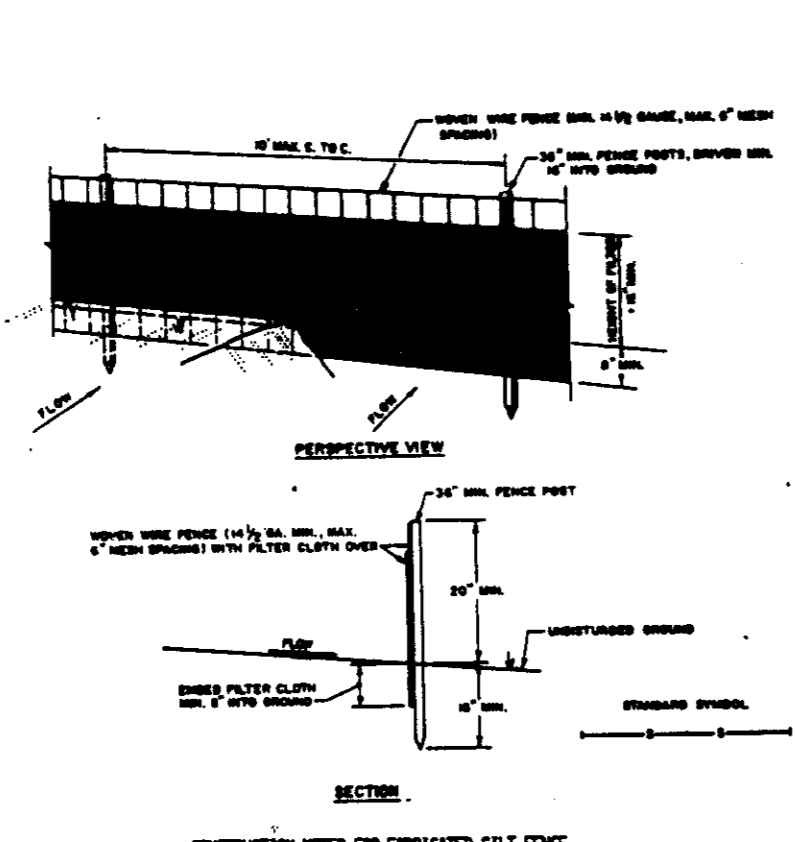
SUBDIVISION NAME	SECTION/AREA	LOT NUMBERS
VILLAGE OF HICKORY RIDGE	3 / 13	26 - 29

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
7053	10	NY/SPLD	35	5th	4053.01

WATER CODE E-27 SEWER CODE 6640000

SITE DEVELOPMENT PLAN

COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 3 AREA 13
 LOTS 26-29
 5th ELECTION DISTRICT HOWARD CO., MD.
 SCALE: 1"=30'
 SHEET 1 OF 1
 REVISED: MAY 11, 1987
 S.D.P. - 87-191C



RESIDENTIAL CONC. DRIVEWAY ENTRANCE
NO SCALE

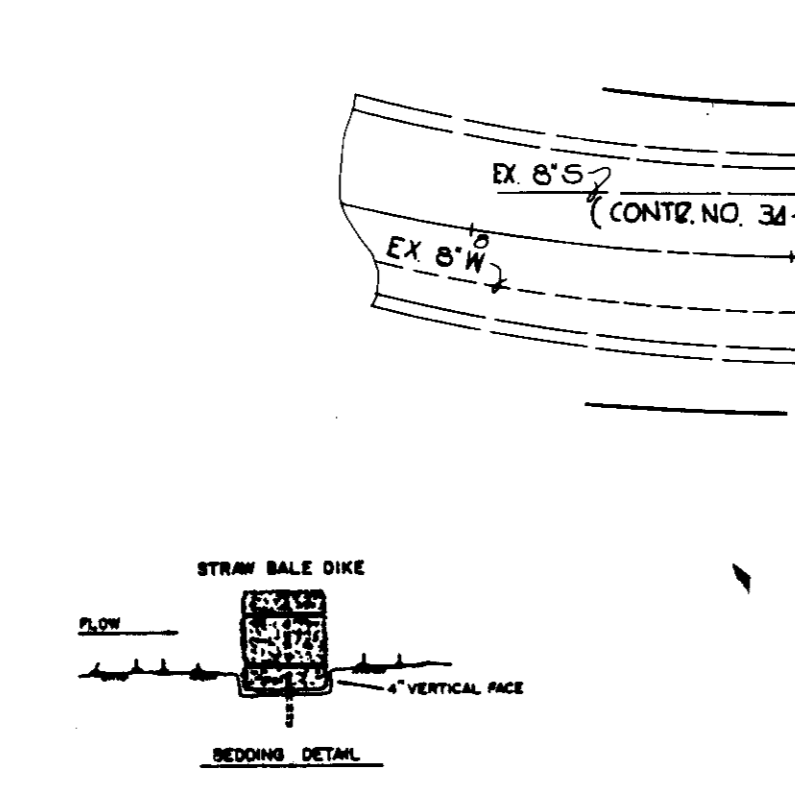
- CONSTRUCTION SPECIFICATIONS:**
1. Move wire fence to be patterned regularly to fence posts with wire ties or staples.
 2. Filter cloth to be patterned regularly to fence posts with wire ties or staples.
 3. Mesh the bottom of filter cloth.
 4. Maintenance shall be performed as needed for material trapped behind silt fence in the silt fence.

SILT FENCE
NO SCALE

NOTE: THE HOWARD RESEARCH & DEVELOPMENT CORPORATION HAS GRANTED PERMISSION TO QUINCY DEVELOPMENT CO., INC. TO USE THE EXISTING SEDIMENT TRAP SHOWN ON (F-87-31) PROVIDED THE FOLLOWING:

1. MAINTENANCE OF THE TRAP WILL BE PROVIDED BY QUINCY DEVELOPMENT CO., INC. THROUGHOUT THE DURATION OF THE HOUSE CONSTRUCTION ON LOTS 26-29.
2. QUINCY DEVELOPMENT CO., INC. WILL BE RESPONSIBLE FOR REMOVAL OF THE TRAP RESTORING THE DISTURBED AREA TO ORIGINAL GRADES AND STABILIZATION OF THE DISTURBED AREA AT ITS OWN COST.

STRAWBALE DIKE
NO SCALE

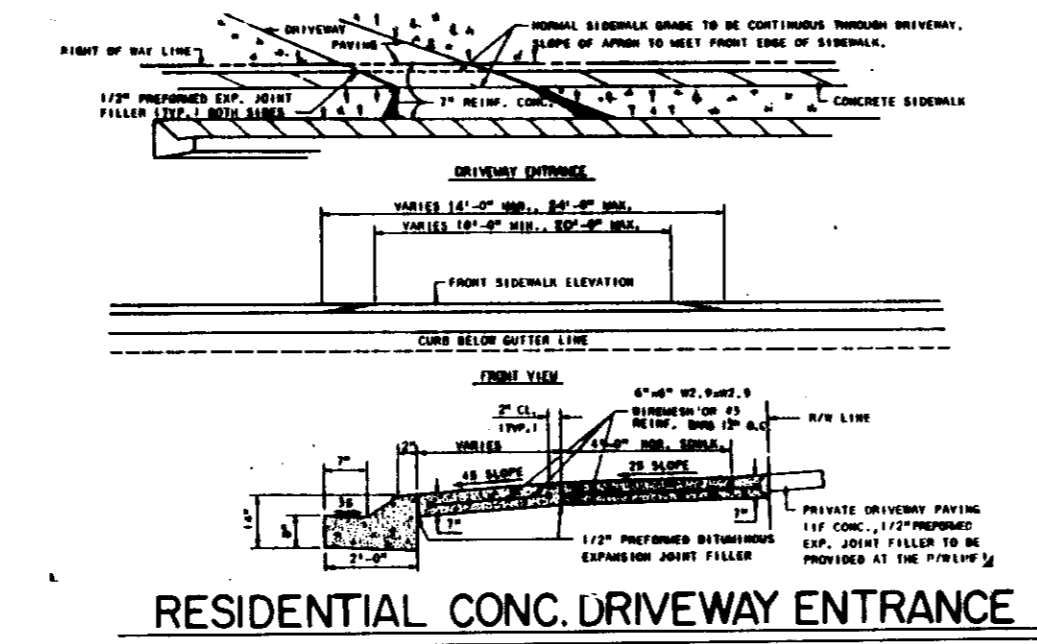


STRAWBALE DIKE
NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
1. Bales shall be placed at the top of a slope or on the contour and in a row with each bale touching the adjacent bales.
 2. Each bale shall be spaced in the soil a minimum of (4) inches and placed so the bales are horizontal.
 3. Bales shall be securely anchored in place by either the stakes or tie-rods driven through the bales. The first stake or tie-rod shall be driven toward the structure and shall be in a hole to force the bales together. Stakes shall be driven flush with the bales.
 4. Inspection shall be frequent and repair/replacement shall be made promptly as needed.
 5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STONE OUTLET SEDIMENT TRAP
NO SCALE

- CONSTRUCTION SEQUENCE:**
1. OBTAIN GRADING PERMIT. INSPECT EXISTING SEDIMENT AND EROSION CONTROL DEVICES AND MAKE ANY NECESSARY REPAIRS OR MAINTENANCE TO THE DEVICES PRIOR TO BEGINNING ANY MORE SHOWN HEREON.
 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 3. INSTALL EARTH DIKE.
 4. EXCAVATE FOR FOUNDATIONS AND POUR SLABS.
 5. CONSTRUCT UNITS.
 6. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL DEVICES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
 7. THE SEDIMENT TRAP SHALL BE DETERMINED BY PUMPING. THE SEDIMENT SHALL BE PLACED UPGRADE FROM THE TRAP IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAP.
 8. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 9. FINE GRADE LOTS AND STABILIZE.
 10. REMOVE INLET PROTECTION, STABILIZE CONSTRUCTION ENTRANCE AND STRAWBALE OR SILT FENCE AND STABILIZE.



RESIDENTIAL CONC. DRIVEWAY ENTRANCE
NO SCALE

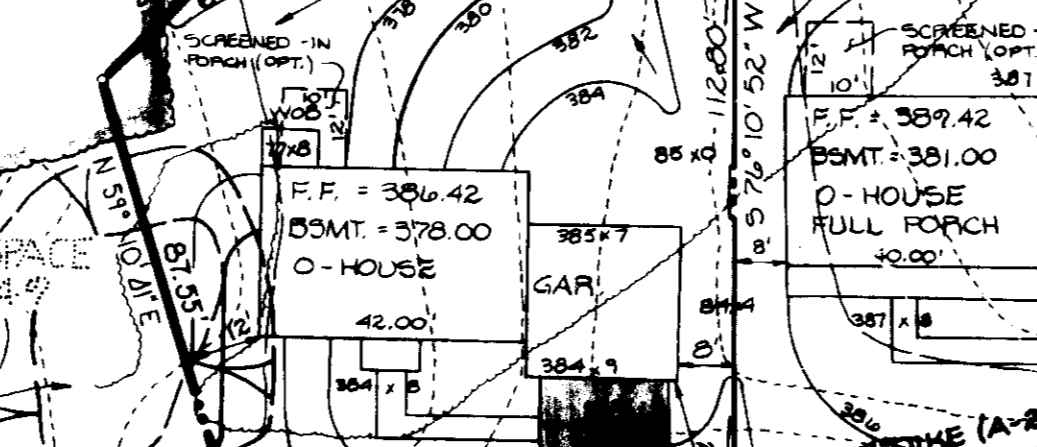
- CONSTRUCTION SPECIFICATIONS:**
1. Move wire fence to be patterned regularly to fence posts with wire ties or staples.
 2. Filter cloth to be patterned regularly to fence posts with wire ties or staples.
 3. Mesh the bottom of filter cloth.
 4. Maintenance shall be performed as needed for material trapped behind silt fence in the silt fence.

SILT FENCE
NO SCALE

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2. QUINCY DEVELOPMENT CO., INC. WILL BE RESPONSIBLE FOR REMOVAL OF THE TRAP RESTORING THE DISTURBED AREA TO ORIGINAL GRADES AND STABILIZATION OF THE DISTURBED AREA AT ITS OWN COST.

STRAWBALE DIKE
NO SCALE



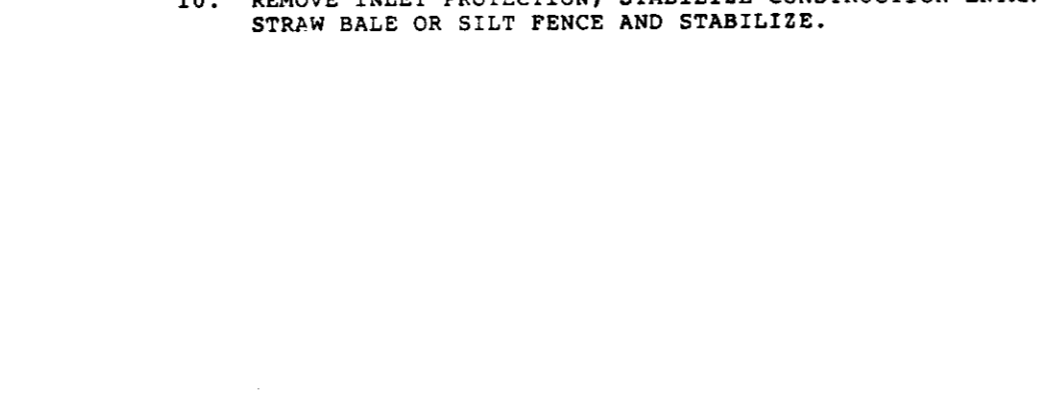
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 10. REMOVE INLET PROTECTION, STABILIZE CONSTRUCTION ENTRANCE AND STRAWBALE OR SILT FENCE AND STABILIZE.

STONE OUTLET SEDIMENT TRAP
NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
1. Slab size - Use 2" stone, or crushed concrete equivalent.
 2. Length - As required, but not less than 10 feet (except on a single curb down lot where a 30 foot minimum length would apply).
 3. Thickness - See local code (16" for concrete).
 4. Width - See local code (24" for concrete).
 5. Slope - Slope shall be placed over the entire area prior to placing of stone. Filter will not be required on a single curb entrance lot.
 6. Surface finish - All surface water flowing or directed toward construction entrance shall be piped across the entrance. If piping is impractical, a removable curb with 1/2" slope will be provided.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or sliding of sediment onto public right-of-way. This may require periodic mowing with additional stone as conditions demand and periodic cleaning of any sediment used in the entrance. All sediment applied, approved, stored or tracked onto public right-of-way must be removed immediately.
 8. Number of curbs shall be placed to remove sediment prior to entrance onto public right-of-way. When mowing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



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STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



RESIDENTIAL CONC. DRIVEWAY ENTRANCE
NO SCALE

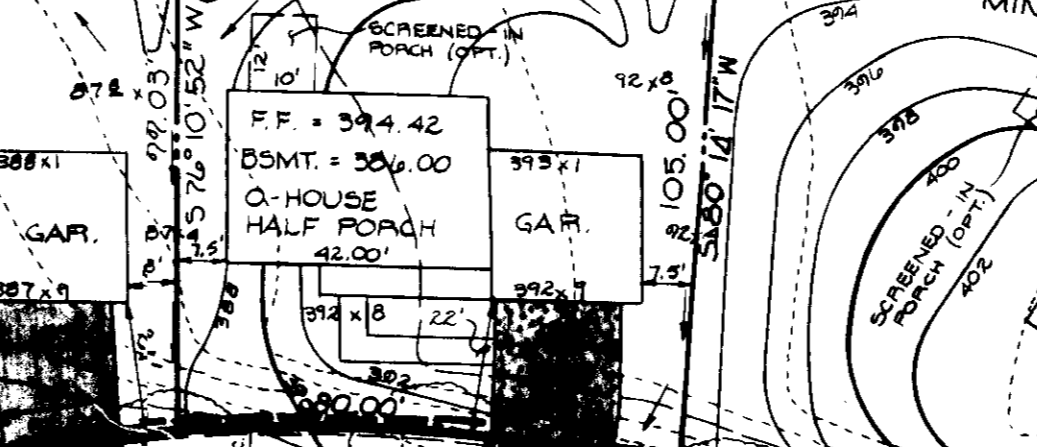
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 2. Filter cloth to be patterned regularly to fence posts with wire ties or staples.
 3. Mesh the bottom of filter cloth.
 4. Maintenance shall be performed as needed for material trapped behind silt fence in the silt fence.

SILT FENCE
NO SCALE

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STRAWBALE DIKE
NO SCALE



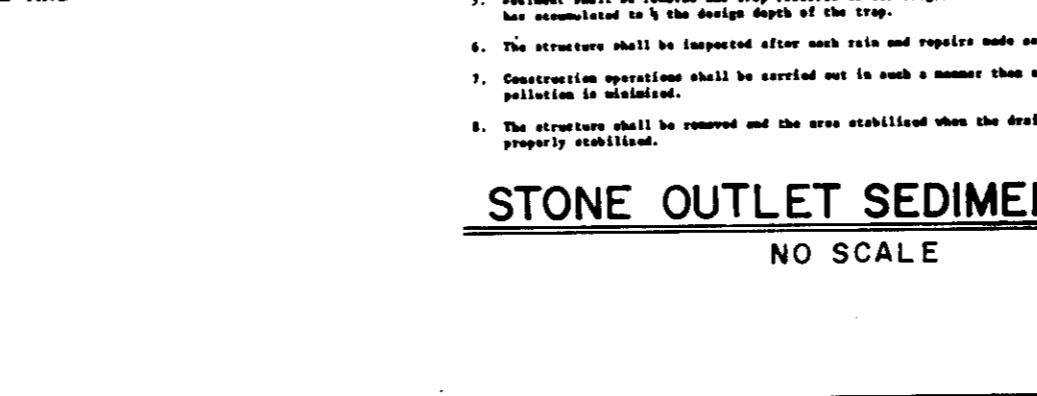
STRAWBALE DIKE
NO SCALE

- CONSTRUCTION SEQUENCE:**
1. OBTAIN GRADING PERMIT. INSPECT EXISTING SEDIMENT AND EROSION CONTROL DEVICES AND MAKE ANY NECESSARY REPAIRS OR MAINTENANCE TO THE DEVICES PRIOR TO BEGINNING ANY MORE SHOWN HEREON.
 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 3. INSTALL EARTH DIKE.
 4. EXCAVATE FOR FOUNDATIONS AND POUR SLABS.
 5. CONSTRUCT UNITS.
 6. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL DEVICES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
 7. THE SEDIMENT TRAP SHALL BE DETERMINED BY PUMPING. THE SEDIMENT SHALL BE PLACED UPGRADE FROM THE TRAP IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAP.
 8. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 9. FINE GRADE LOTS AND STABILIZE.
 10. REMOVE INLET PROTECTION, STABILIZE CONSTRUCTION ENTRANCE AND STRAWBALE OR SILT FENCE AND STABILIZE.

STONE OUTLET SEDIMENT TRAP
NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
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 2. Length - As required, but not less than 10 feet (except on a single curb down lot where a 30 foot minimum length would apply).
 3. Thickness - See local code (16" for concrete).
 4. Width - See local code (24" for concrete).
 5. Slope - Slope shall be placed over the entire area prior to placing of stone. Filter will not be required on a single curb entrance lot.
 6. Surface finish - All surface water flowing or directed toward construction entrance shall be piped across the entrance. If piping is impractical, a removable curb with 1/2" slope will be provided.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or sliding of sediment onto public right-of-way. This may require periodic mowing with additional stone as conditions demand and periodic cleaning of any sediment used in the entrance. All sediment applied, approved, stored or tracked onto public right-of-way must be removed immediately.
 8. Number of curbs shall be placed to remove sediment prior to entrance onto public right-of-way. When mowing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

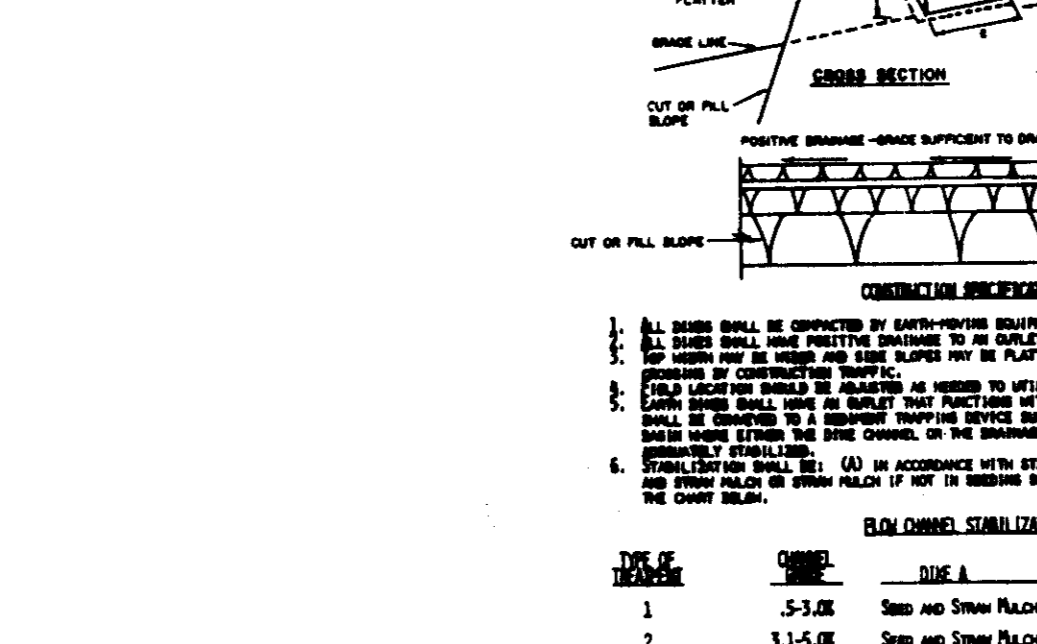
STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

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STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



RESIDENTIAL CONC. DRIVEWAY ENTRANCE
NO SCALE

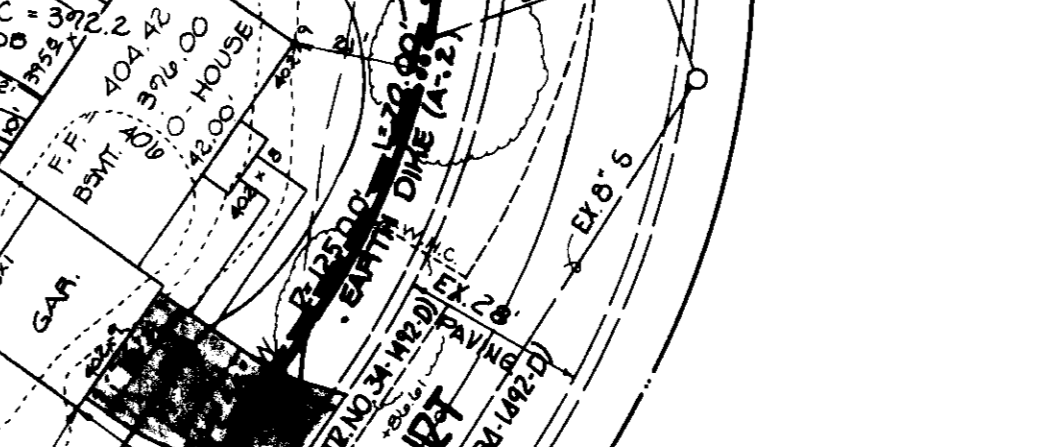
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 2. Filter cloth to be patterned regularly to fence posts with wire ties or staples.
 3. Mesh the bottom of filter cloth.
 4. Maintenance shall be performed as needed for material trapped behind silt fence in the silt fence.

SILT FENCE
NO SCALE

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STRAWBALE DIKE
NO SCALE



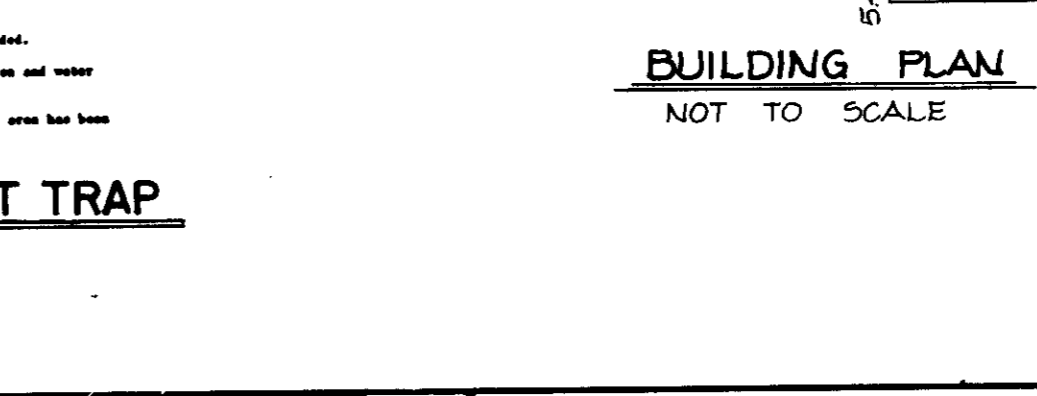
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 3. INSTALL EARTH DIKE.
 4. EXCAVATE FOR FOUNDATIONS AND POUR SLABS.
 5. CONSTRUCT UNITS.
 6. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL DEVICES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
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STONE OUTLET SEDIMENT TRAP
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STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



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- CONSTRUCTION SPECIFICATIONS:**
1. Slab size - Use 2" stone, or crushed concrete equivalent.
 2. Length - As required, but not less than 10 feet (except on a single curb down lot where a 30 foot minimum length would apply).
 3. Thickness - See local code (16" for concrete).
 4. Width - See local code (24" for concrete).
 5. Slope - Slope shall be placed over the entire area prior to placing of stone. Filter will not be required on a single curb entrance lot.
 6. Surface finish - All surface water flowing or directed toward construction entrance shall be piped across the entrance. If piping is impractical, a removable curb with 1/2" slope will be provided.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or sliding of sediment onto public right-of-way. This may require periodic mowing with additional stone as conditions demand and periodic cleaning of any sediment used in the entrance. All sediment applied, approved, stored or tracked onto public right-of-way must be removed immediately.
 8. Number of curbs shall be placed to remove sediment prior to entrance onto public right-of-way. When mowing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

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